

Title (en)
TECHNIQUES FOR REDUCING CROSSTALK IN MULTICORE FIBERS

Title (de)
VERFAHREN ZUR REDUZIERUNG DES ÜBERSPRECHENS IN MEHRKERN-FASERN

Title (fr)
TECHNIQUES PERMETTANT DE RÉDUIRE LES PROBLÈMES DE DIAPHONIE DANS LES FIBRES MULTIC URS

Publication
EP 2628039 B1 20240417 (EN)

Application
EP 11833377 A 20111012

Priority

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Abstract (en)
[origin: WO2012051362A1] An optical fiber has two or more core regions disposed within a common cladding region. Each of the core regions is configured to guide a respective light transmission comprising at least one optical mode along the length of the fiber. The cores are arranged within the common cladding region according to a core configuration that substantially prevents crosstalk between modes of neighboring cores in the fiber, in a deployment of the fiber in which cross-coupling between neighboring cores is affected by perturbations arising in the deployed fiber.

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